AMENDMENTS TO THE CLAIMS

LISTING OF THE CLAIMS:

1.   (Currently amended)   A computer-implemented method of downloading a binary file to a customer premises telecommunications hub, the method comprising:

receiving a new binary file in the customer premises telecommunications hub,

configuring a non-volatile memory using a trial run parameter;

loading the new binary file into a location of non-volatile memory on the hub;~~, the~~

~~non-volatile memory~~ flagging**, in the non-volatile memory,** an old binary file

as a currently active file;

soft rebooting the hub; and

checking, during the **soft** rebooting, whether a trial run message is stored in a volatile

memory on the hub; and

if a trial run message is stored in the volatile memory,

identifying the location in non-volatile memory of the new binary file based on the

trial run message,

deleting the trial run message,

operating the hub with the new binary file, and

verifying proper operation of the hub with the new binary file; else

if the trial run message is not stored in the volatile memory,

operating the hub with the old binary file, and

deleting the trial run parameter.

2.   (Cancelled)

3.   (Previously presented)   The computer-implemented method of claim 1, further

comprising:

if proper operation of the hub with the new binary file is verified,

deleting the trial run parameter; and

flagging, in the non-volatile memory, the new binary file as the currently active

file for the hub.

4.   (Previously presented)   The computer-implemented method of claim 1

wherein verifying proper operation of the hub with the new binary file comprises

receiving an acknowledgment message from an external server.

5.   (Previously presented)   The computer-implemented method of claim 1

wherein verifying proper operation of the hub with the new binary file comprises

receiving a configuration file from an external server.

6.   (Previously presented)   The computer-implemented method of claim 1

wherein:

proper operation of the binary file is verified by detecting the receipt of a domain

name from an external server.

7.   (Currently amended)   A customer premises telecommunications hub

comprising:

a nonvolatile memory having a first and second memory partition;

means for designating an old binary file in the first memory partition as currently active;

means for receiving a new binary file;

means for storing the new binary file into the second memory partition;

means for configuring the non-volatile memory using a trial run parameter;

means for **soft** rebooting the hub;

means for checking, during **soft** rebooting, whether a trial run message is

stored in a volatile memory on the hub;

means for operating the hub with the new binary file stored in the second

memory partition;

means for identifying a partition of non-volatile memory storing the new binary file

based on the trial run message; and

means for deleting the trial run message.

8.   (Cancelled)

9.   (Currently amended)   The customer premises telecommunications hub according to claim 7, wherein:

said means for verifying proper operation comprises means for detecting the receipt of a signal by said hub from an external server.

10.   (Previously presented)   The customer premises telecommunications hub according to claim 9, wherein:

said signal is an acknowledge message from a DHCP server.

11.   (Previously presented)   The customer premises telecommunications hub according to claim 9, wherein:

said signal is a configuration file from a TFTP server.

12.   (Currently amended)   In a customer premises telecommunications hub, a method comprising;

storing a new binary file in a location of non-volatile memory; the non-volatile memory flagging, **in the non-volatile memory,** an old binary file as a currently active binary file;

storing a trial run message in a volatile memory,

wherein the trial run message identifies the new binary file stored in the location of non-volatile memory;

soft rebooting the hub;

if the trial run message is still stored in the volatile memory,

deleting the trial run message; and

operating the hub with the new binary file, and

verifying proper operation of the hub with the new binary file, and

after verifying proper operation of the new binary file,

flagging, in the non-volatile memory, the new binary file as the currently

active binary file, and

deleting the trial run parameter.

13-15. (Cancelled)

16.   (Currently amended)   The computer-implemented method of claim 3, further comprising

if proper operation of the hub with the new binary file is not verified,

soft rebooting the hub;

operating the hub with the old binary file; and

deleting the trial run parameter.

17.   (Previously presented)   The customer premises telecommunications hub of claim 7, further comprising:

means for operating the hub with the old binary file stored in the first memory

partition; and

means for deleting the trial run parameter.

18.   (Currently amended)   In the customer premises telecommunications hub of claim 12, the method further comprising:

soft rebooting the hub; and

if proper operation of the hub is not verified,

operating the hub with the old binary file; and

deleting the trial run parameter.

19. (Previously presented)In the customer premises telecommunications hub of claim 12, the method further comprising:

if proper operation of the hub with the new binary file is verified,

flagging, in the non-volatile memory, the new binary file as the currently active binary file; and

deleting the trial run parameter.